

FIG. 1A

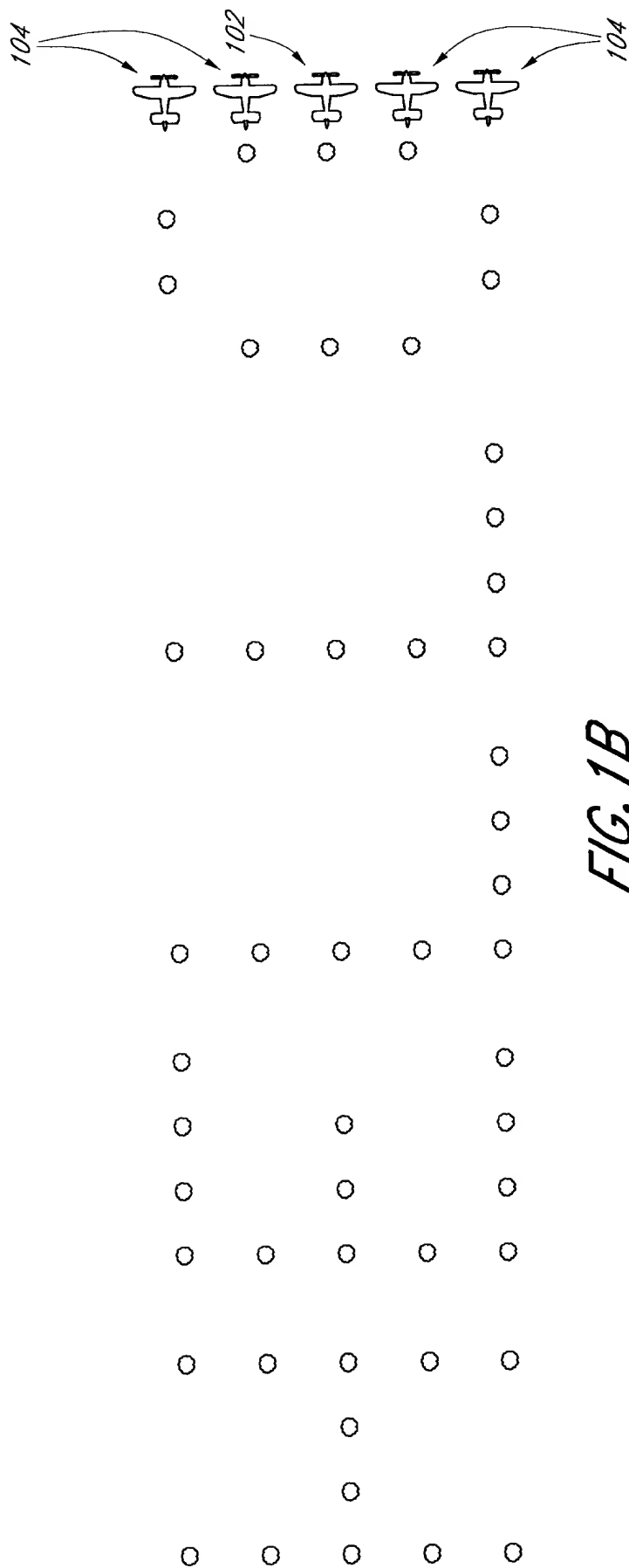


FIG. 1B

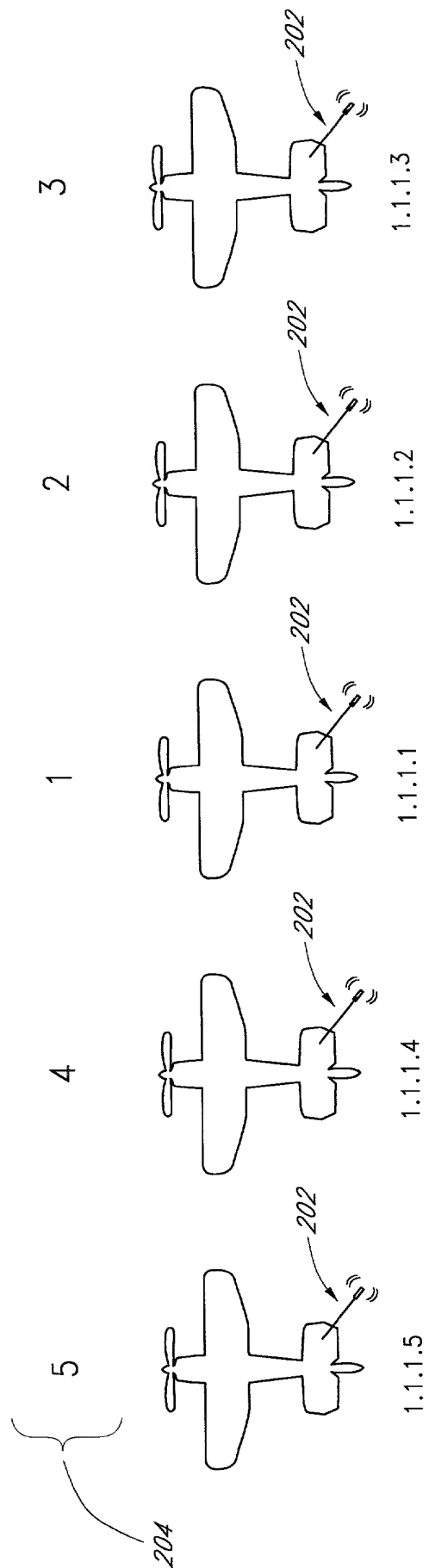


FIG. 2

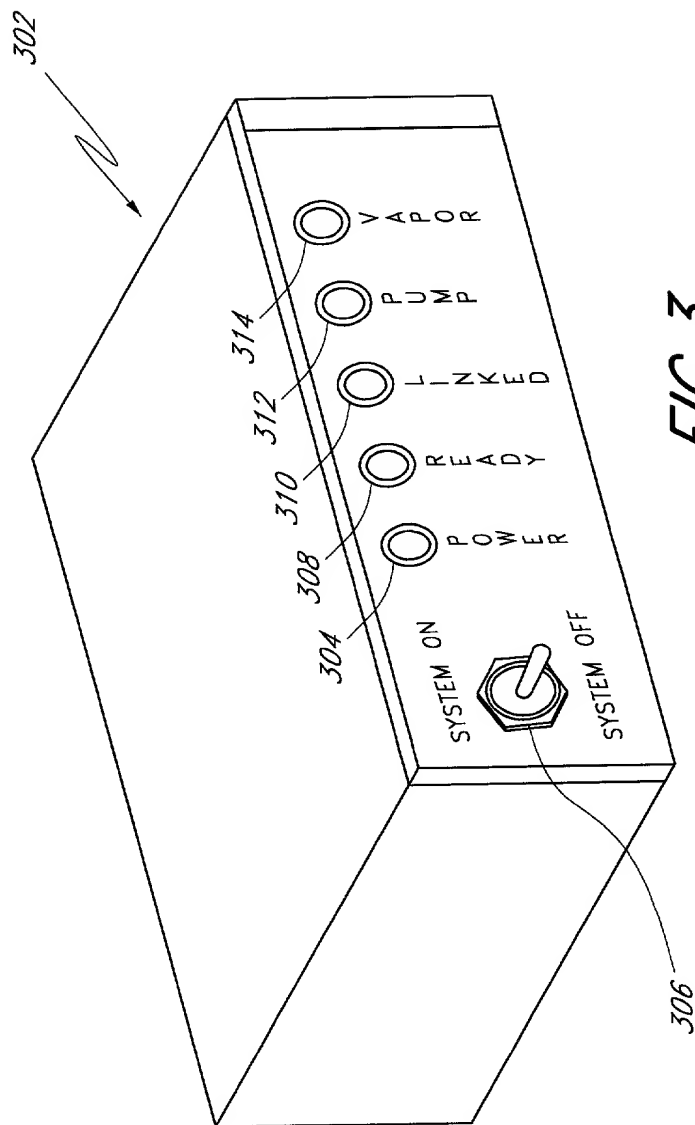
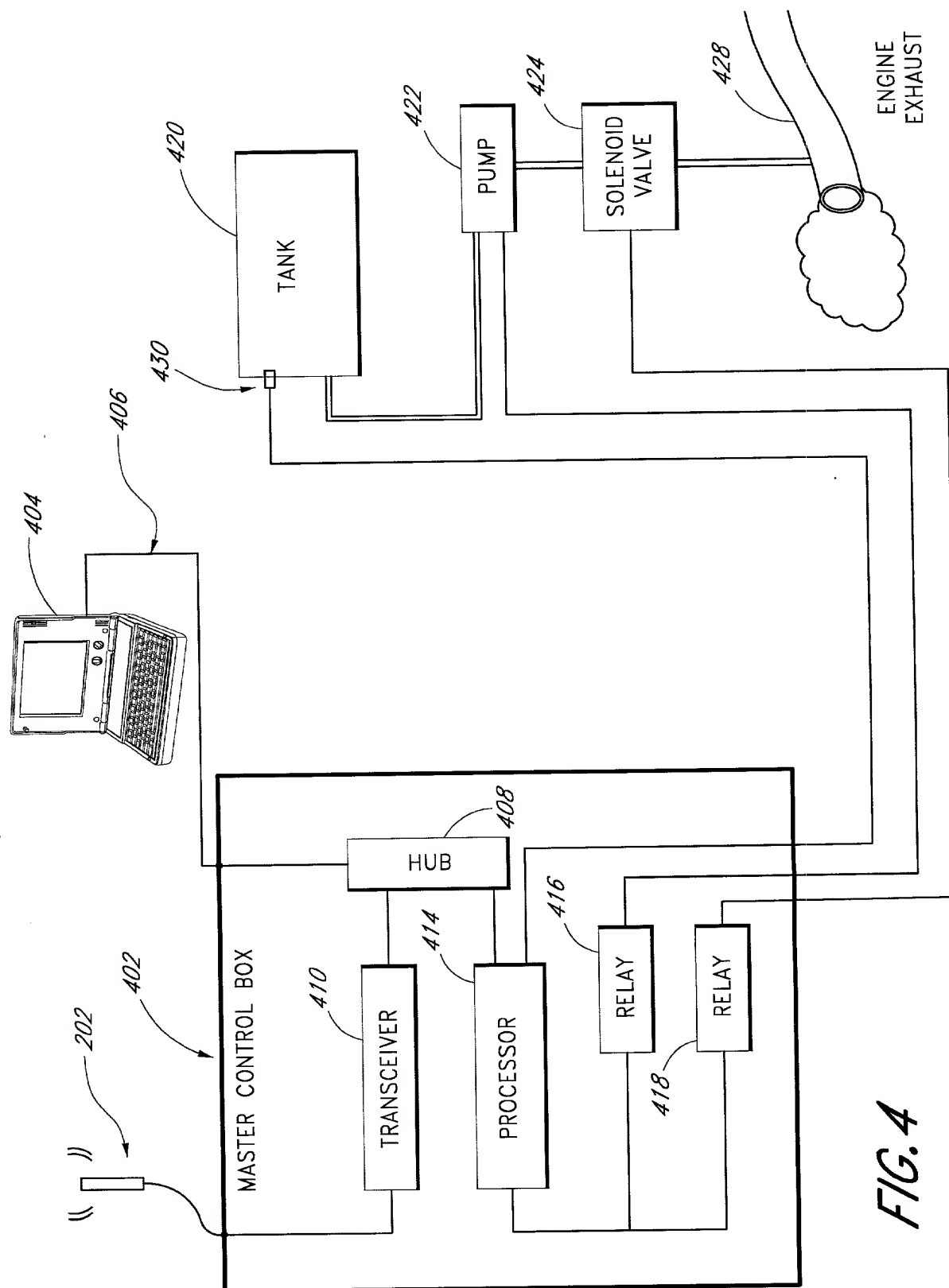


FIG. 3



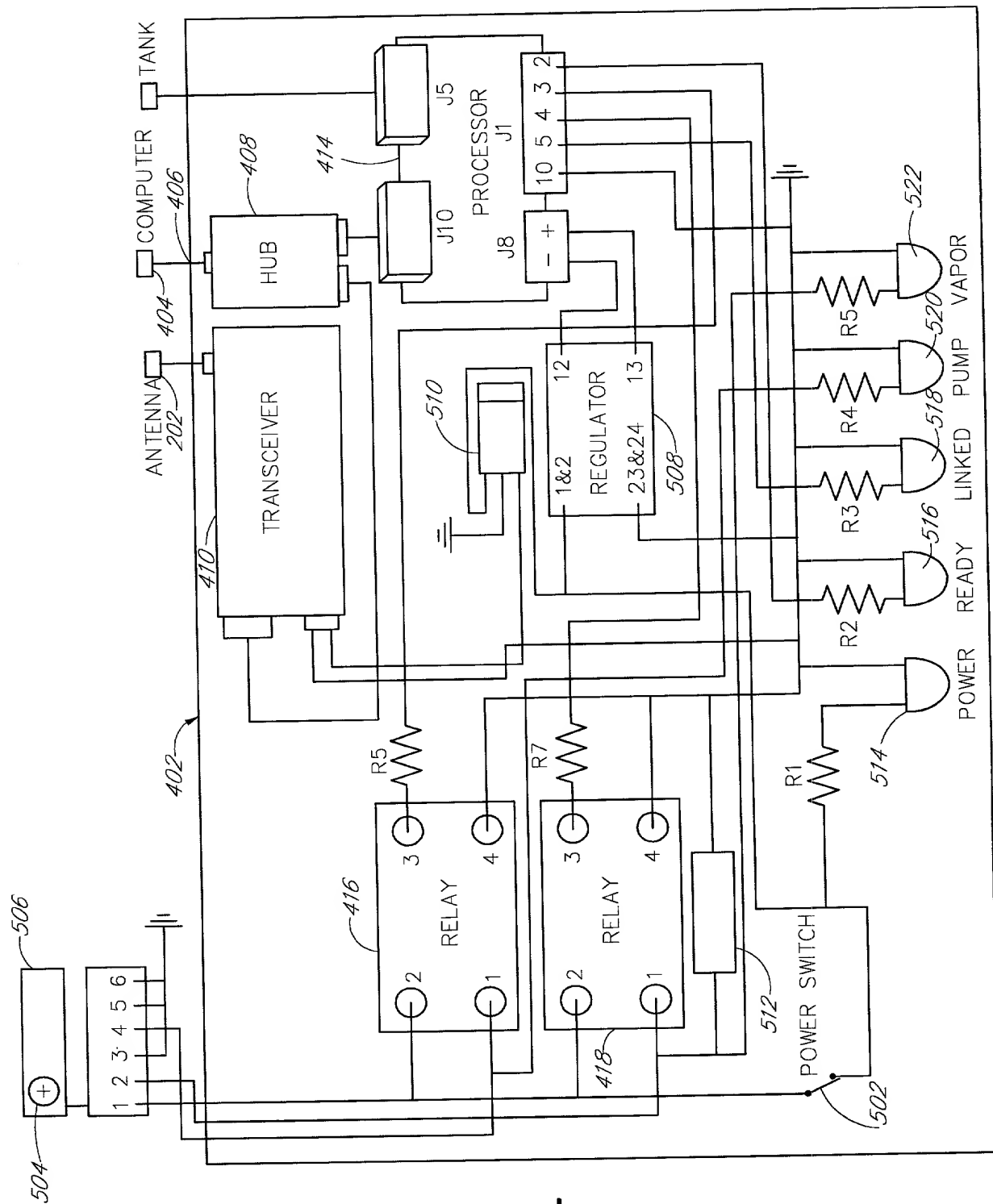


FIG. 5

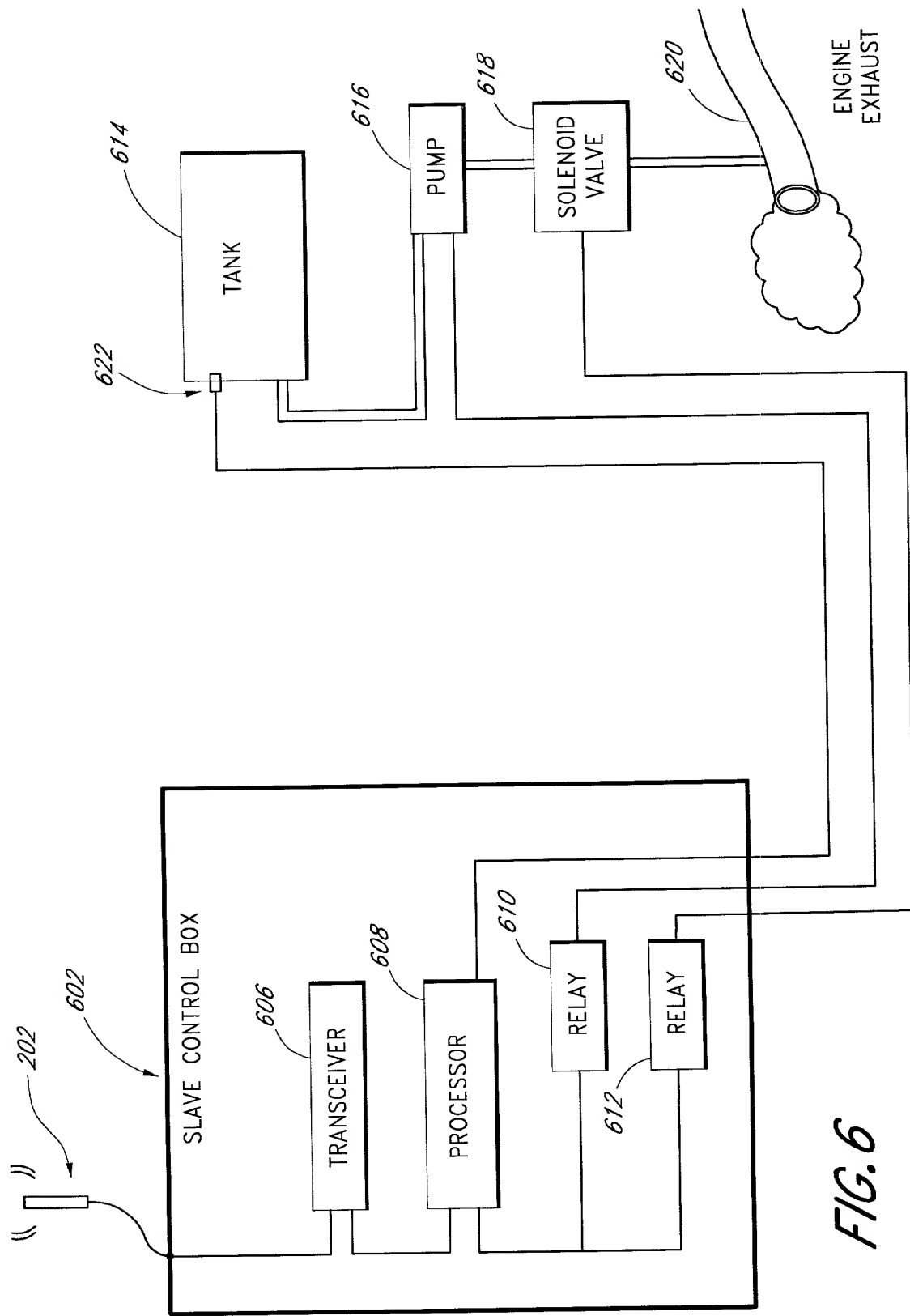
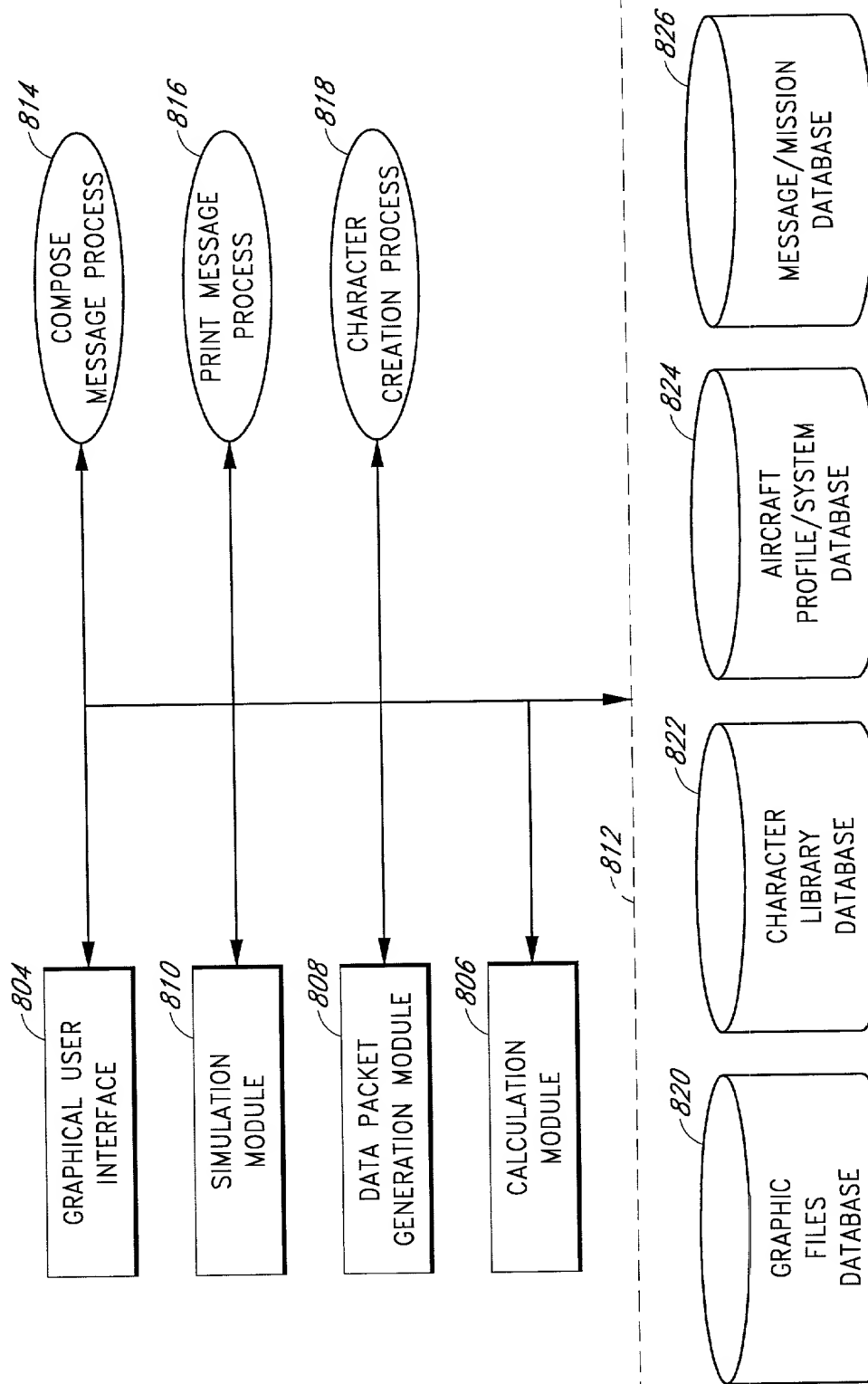


FIG. 6

FIG. 8

802

AERIAL MESSAGE SOFTWARE SYSTEM



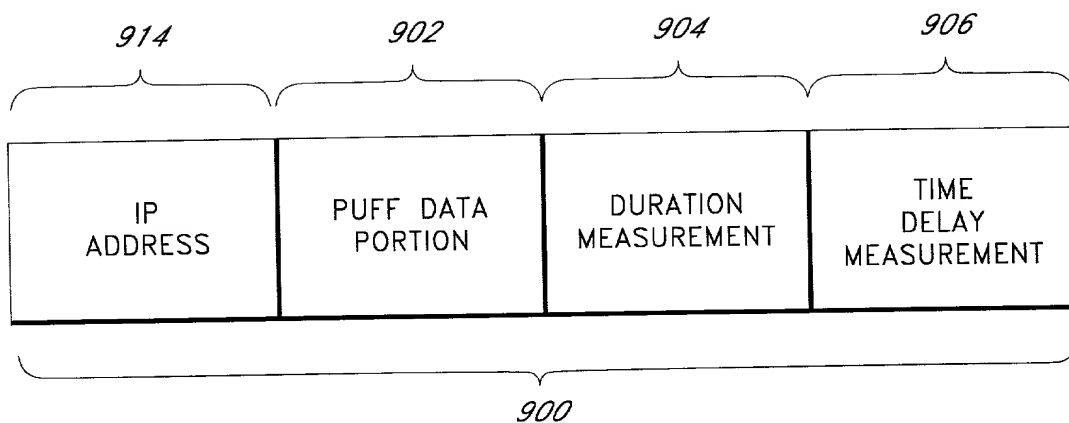


FIG. 9A

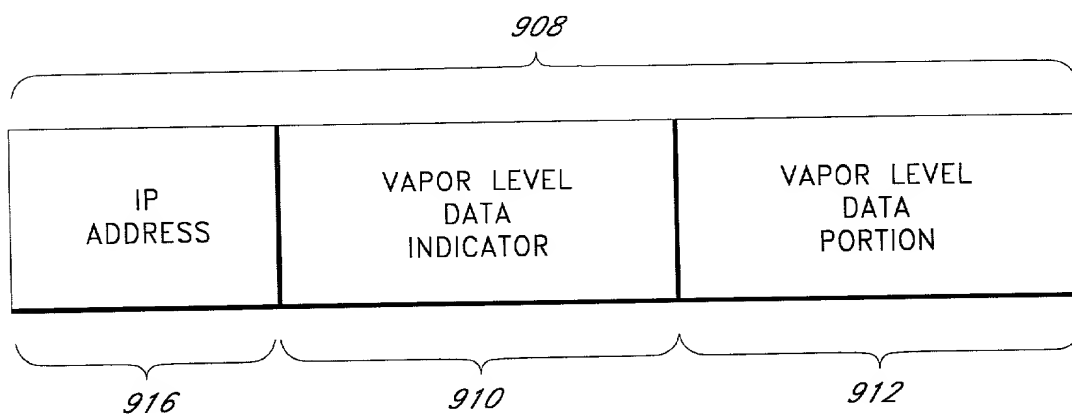


FIG. 9B

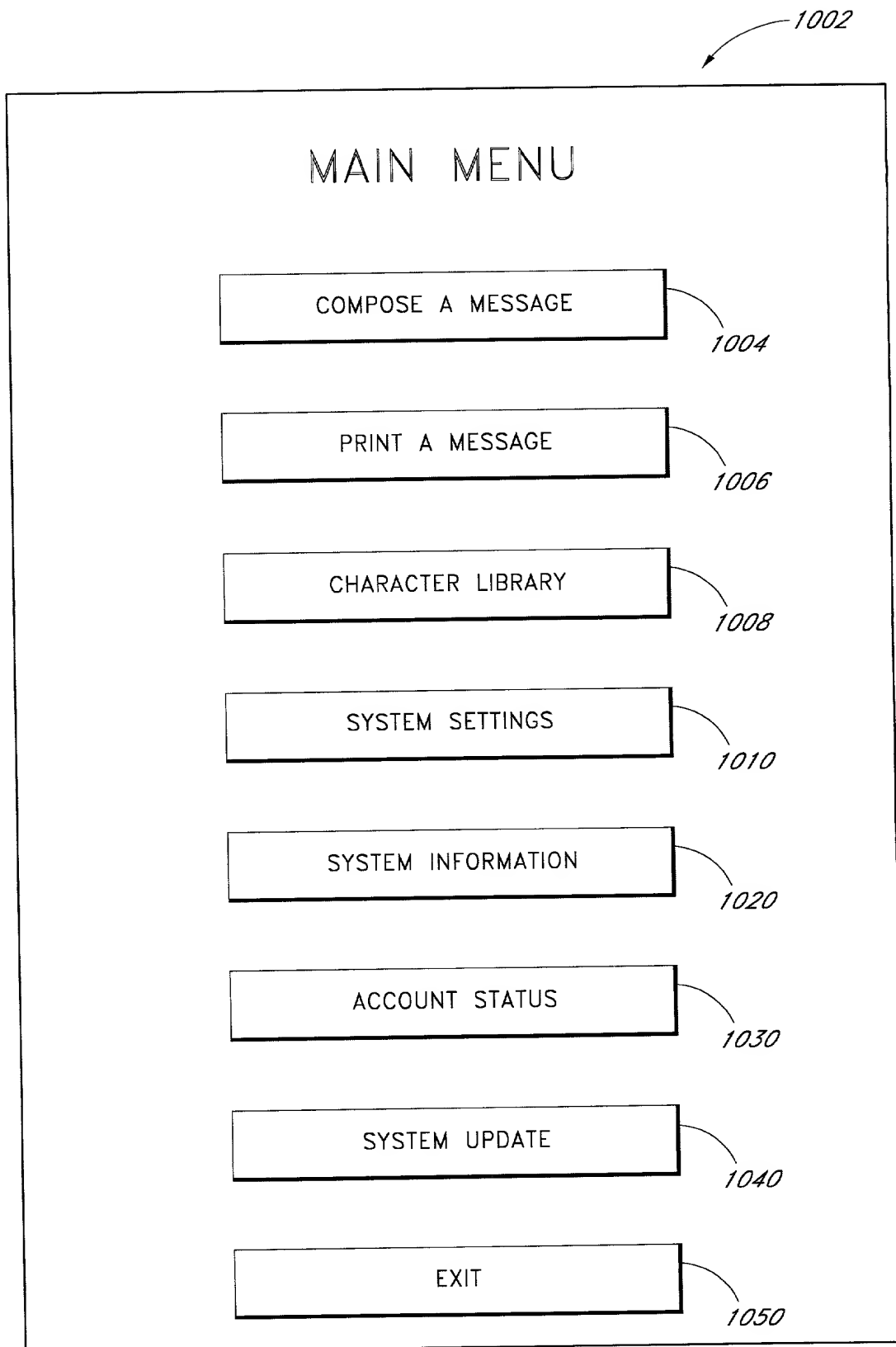


FIG. 10

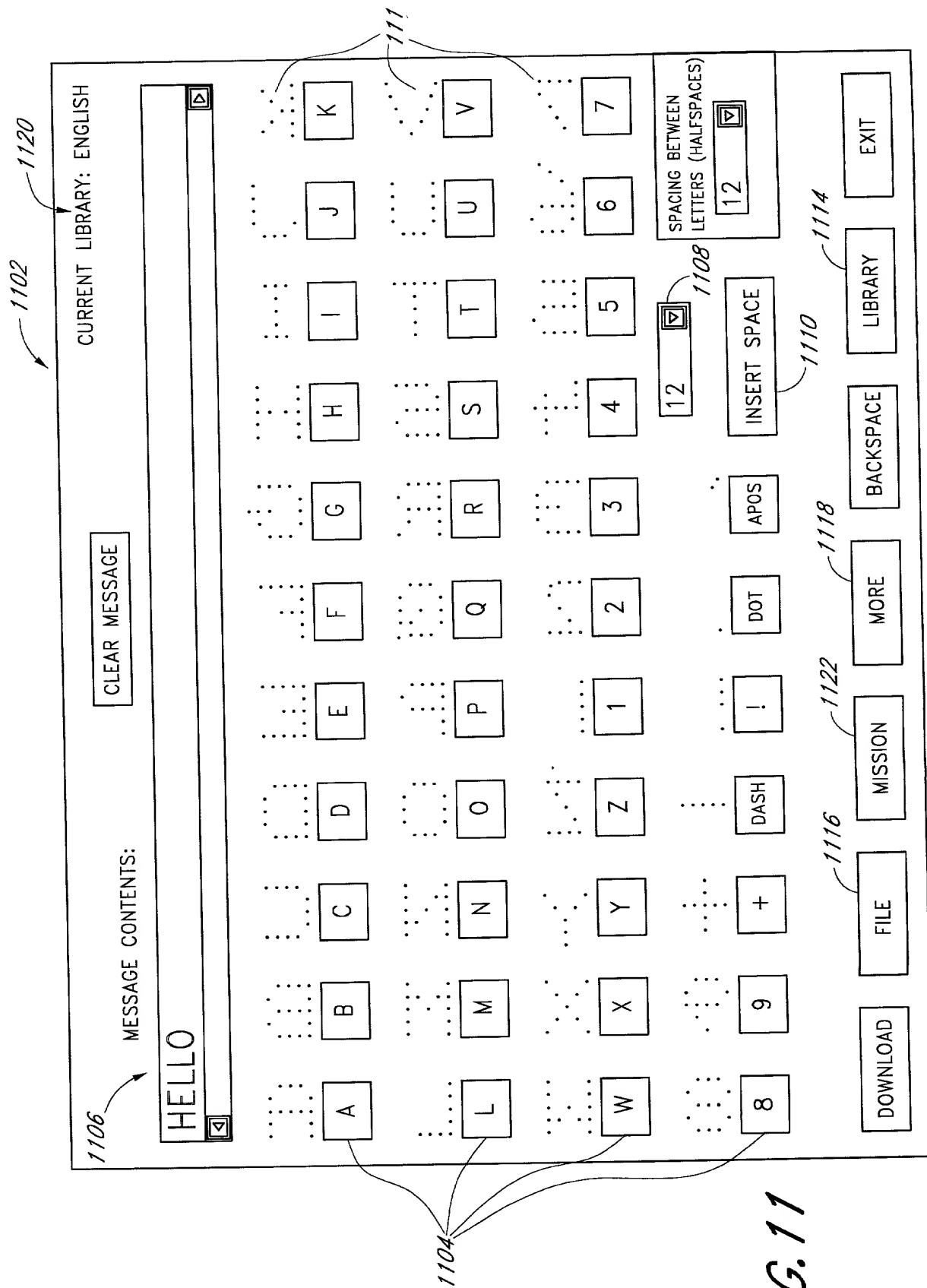


FIG. 11

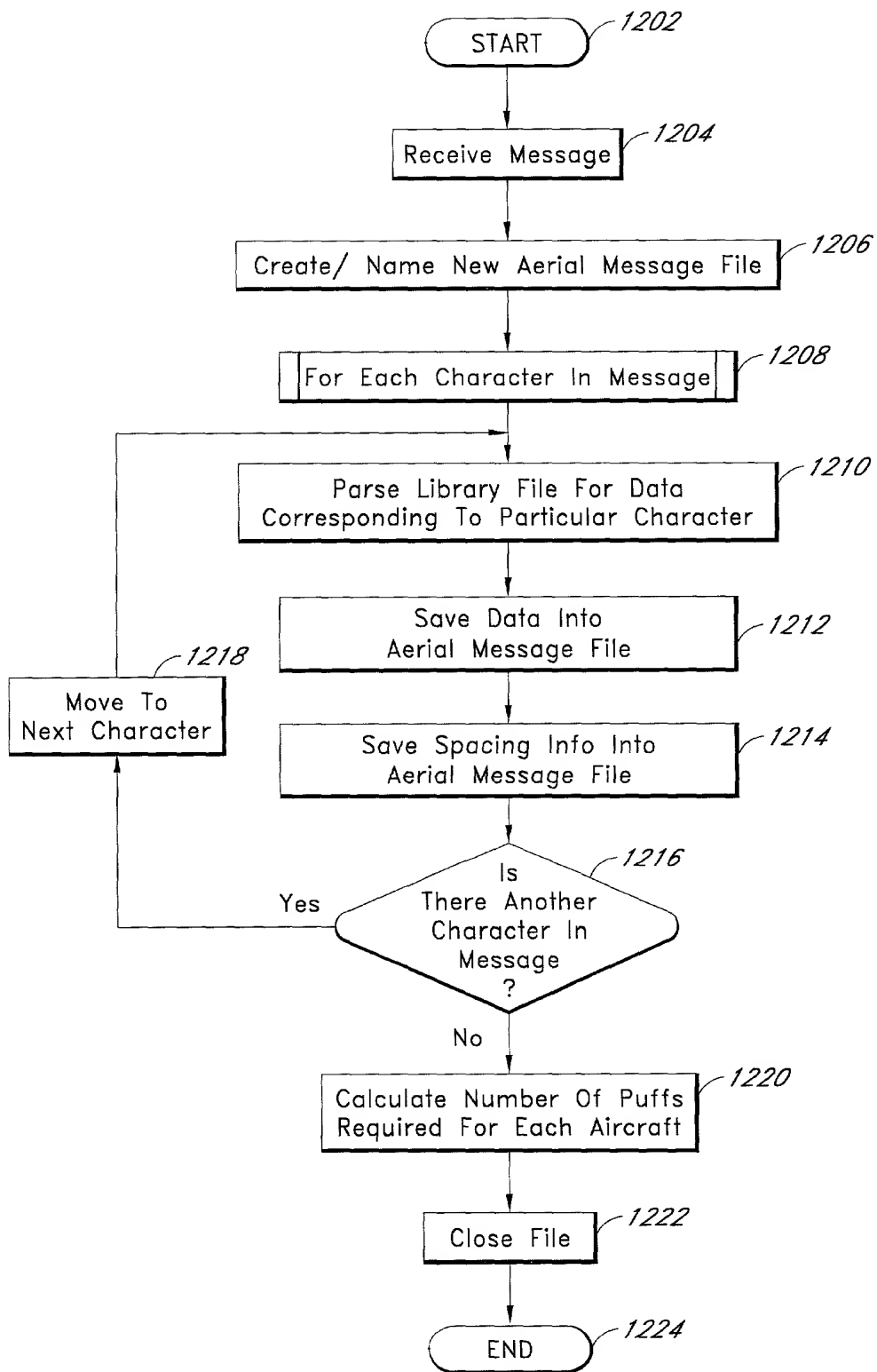


FIG. 12

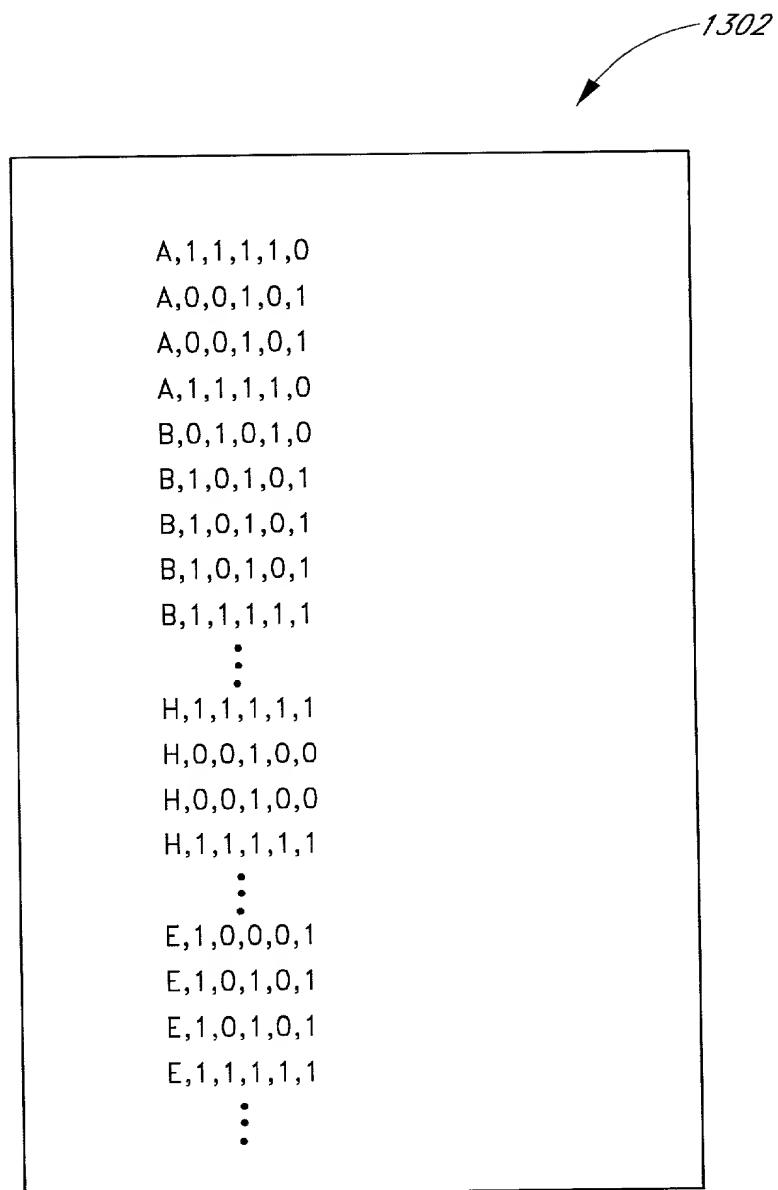


FIG. 13

1402

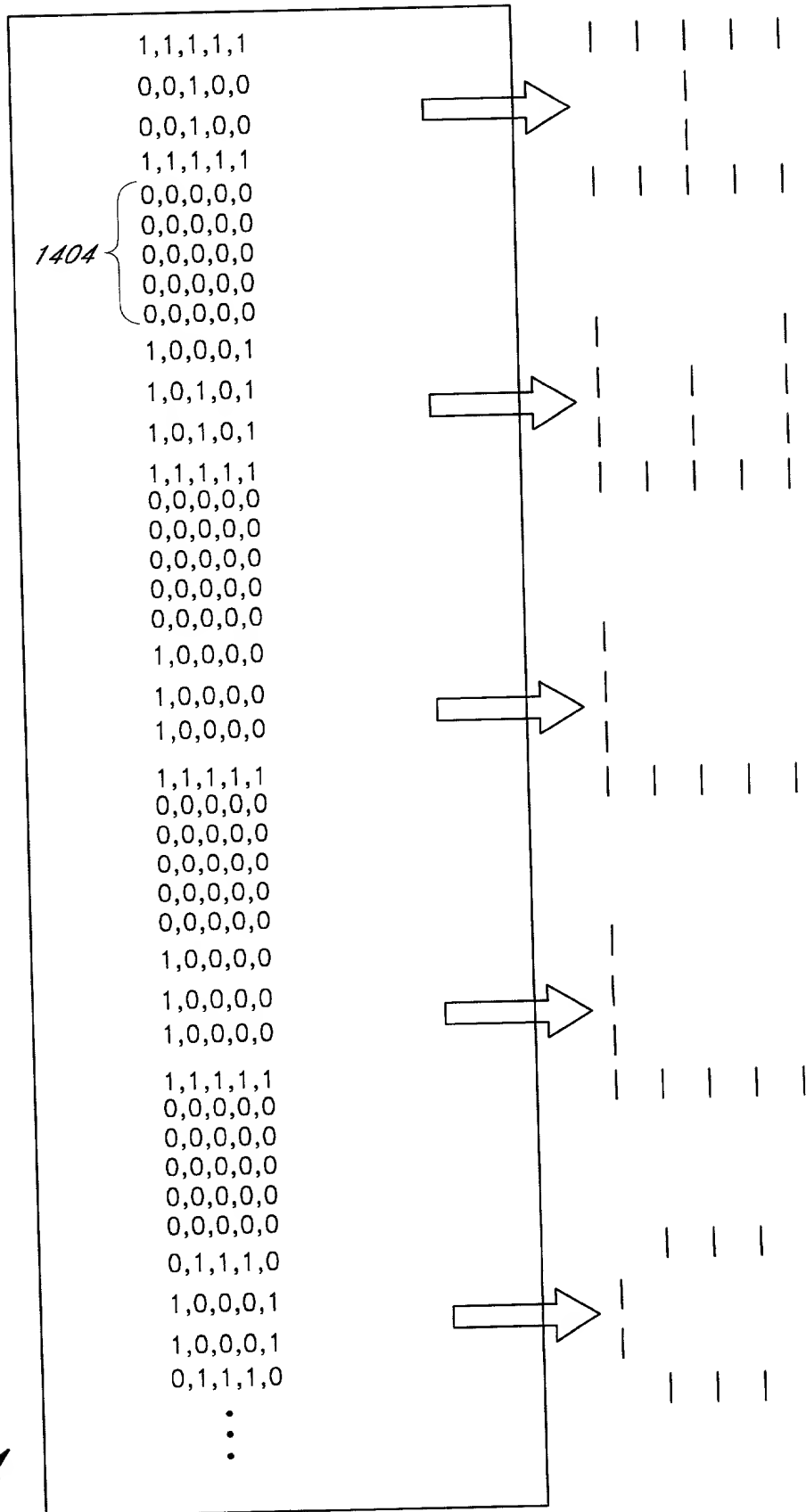
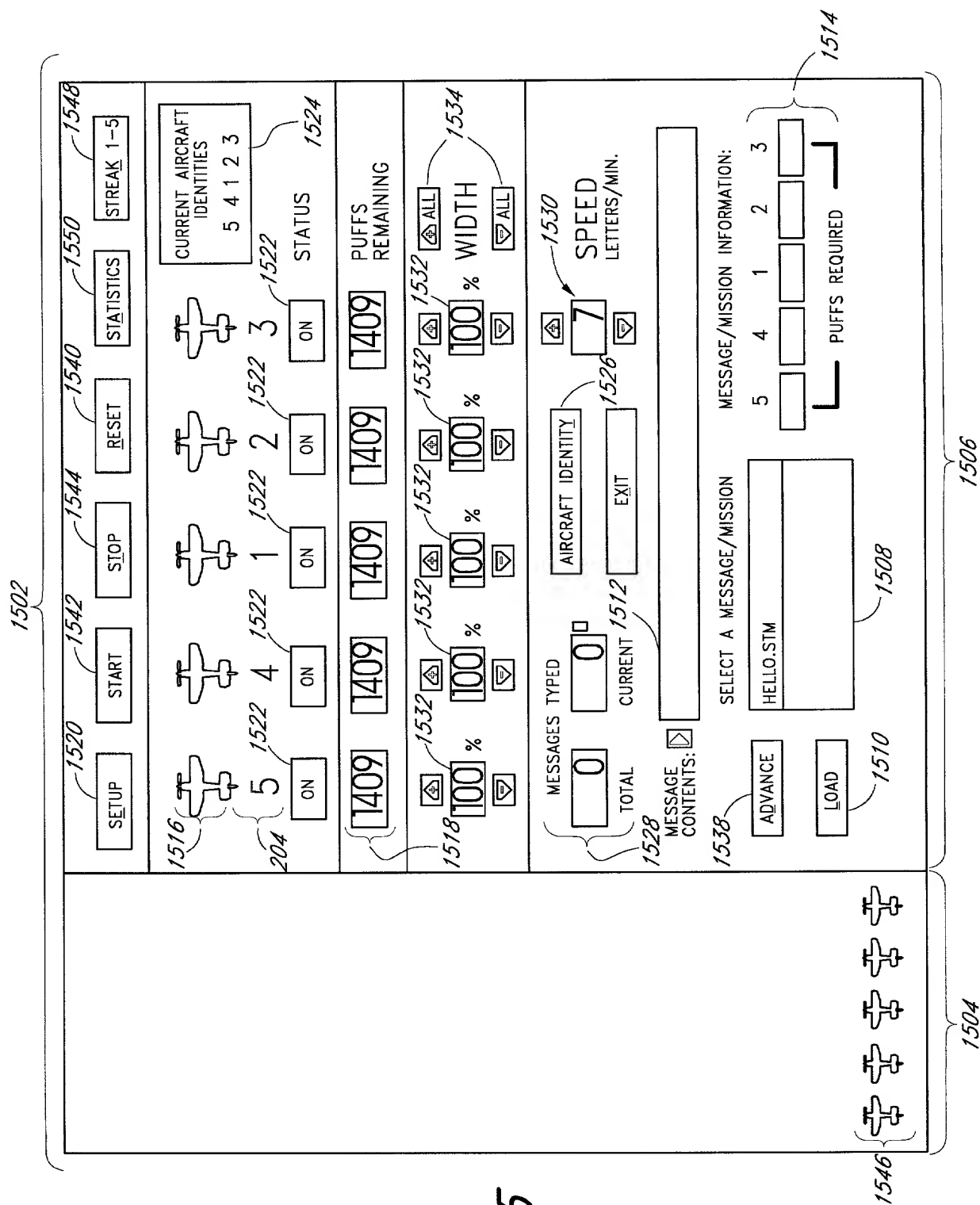


FIG. 14

FIG. 15



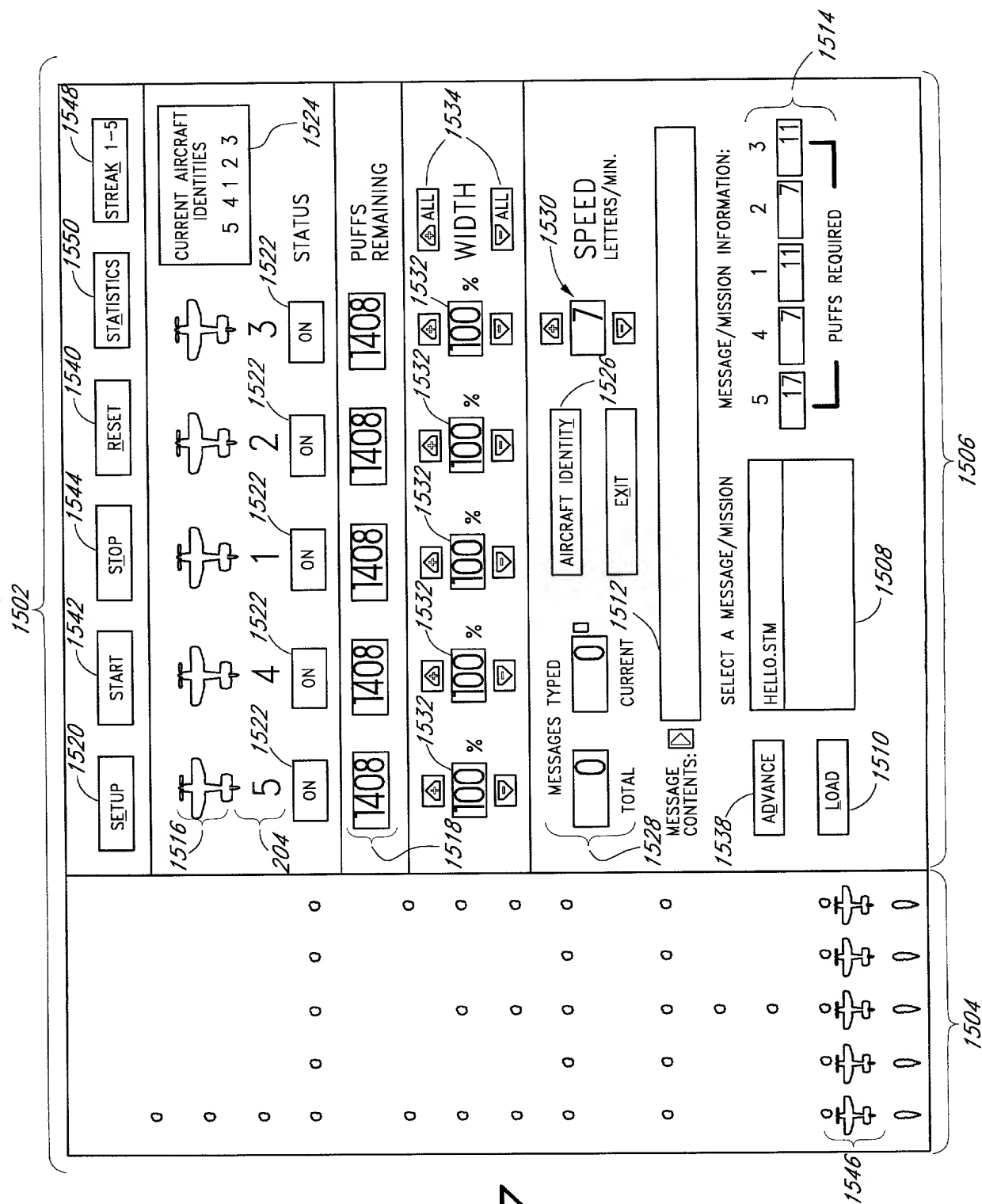
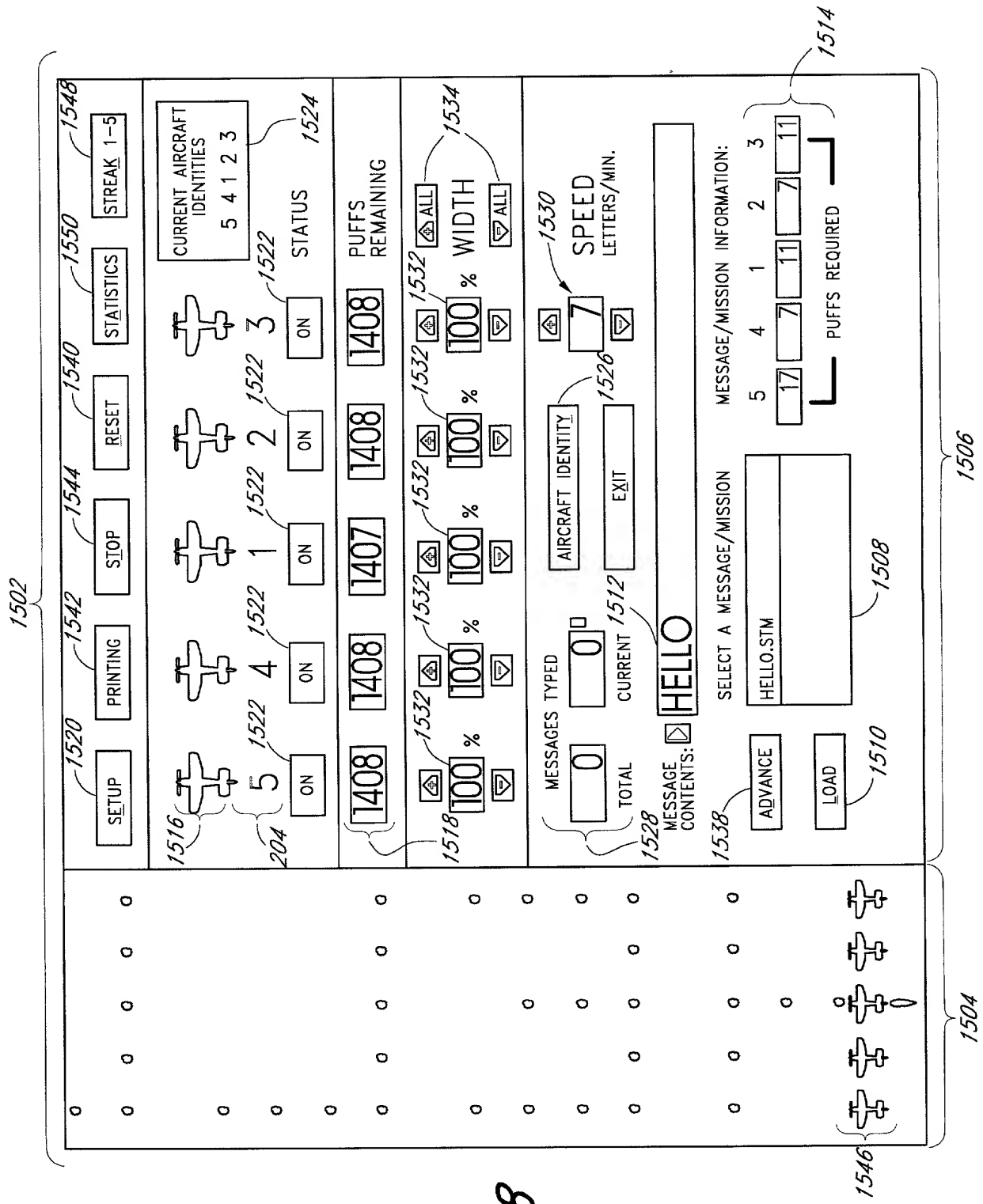


FIG. 17

FIG. 18



1902

AIRCRAFT IDENTITIES

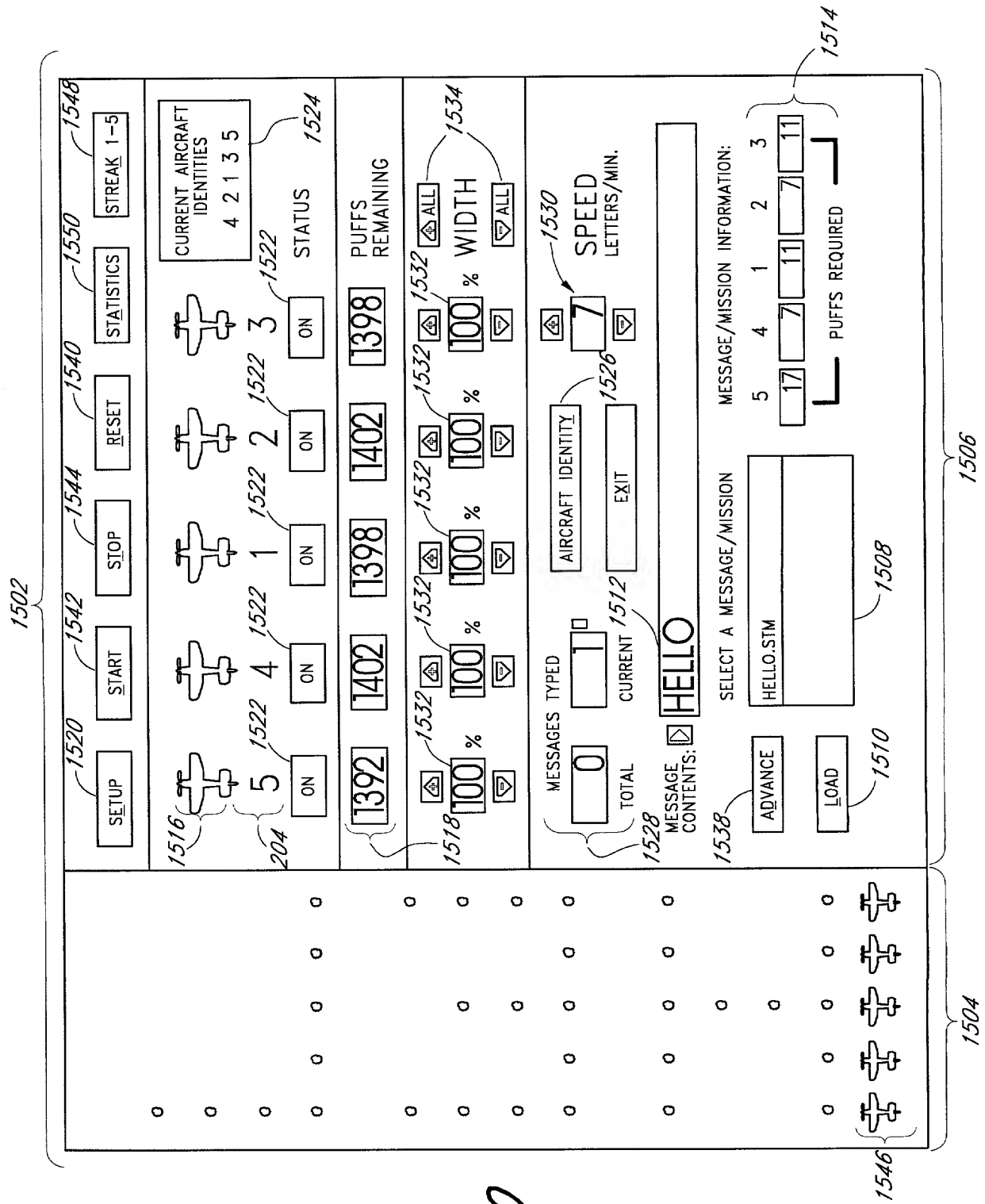
| | | | |
|-----|-----|-----|-----|
| 5 | 4 | 2 | 3 |
| 5 ▼ | 4 ▼ | 2 ▼ | 3 ▼ |

OK DEFAULTS CANCEL

FIG. 19A

| AIRCRAFT IDENTITIES | | | |
|---------------------|-----|----------|--------|
| 5 | 4 | 2 | 3 |
| 4 ▼ | 2 ▼ | 3 ▼ | 5 ▼ |
| OK | | DEFAULTS | CANCEL |

FIG. 19B



2102

| | | | | | |
|-------------------------------------|-------------------|-------------------|--|-------------------|-------------------|
| MESSAGES LOADED → 1 | | | MESSAGES COMPLETED → 1 | | |
| HELLO | | | HELLO | | |
| 5 | 4 | 1 | 2 | 3 | 6 |
| PUFFS REMAINING IN ACTUAL AIRCRAFT | | | | | |
| 1392 | 1402 | 1398 | 1402 | 1398 | 1409 |
| TOTAL PUFFS REQUIRED | | | | | |
| 17 | 7 | 11 | 7 | 11 | |
| PUFFS COMPLETED | | | | | |
| 17 | 7 | 11 | 7 | 11 | |
| <div>OK</div> | | | | | |

FIG.21

FIG.22

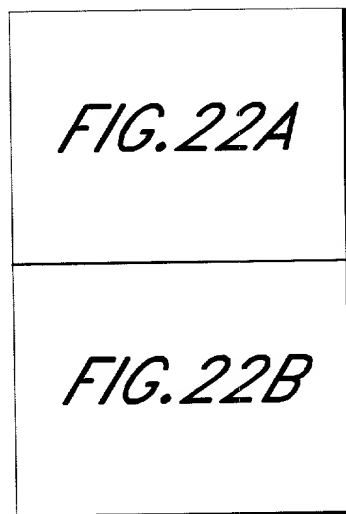
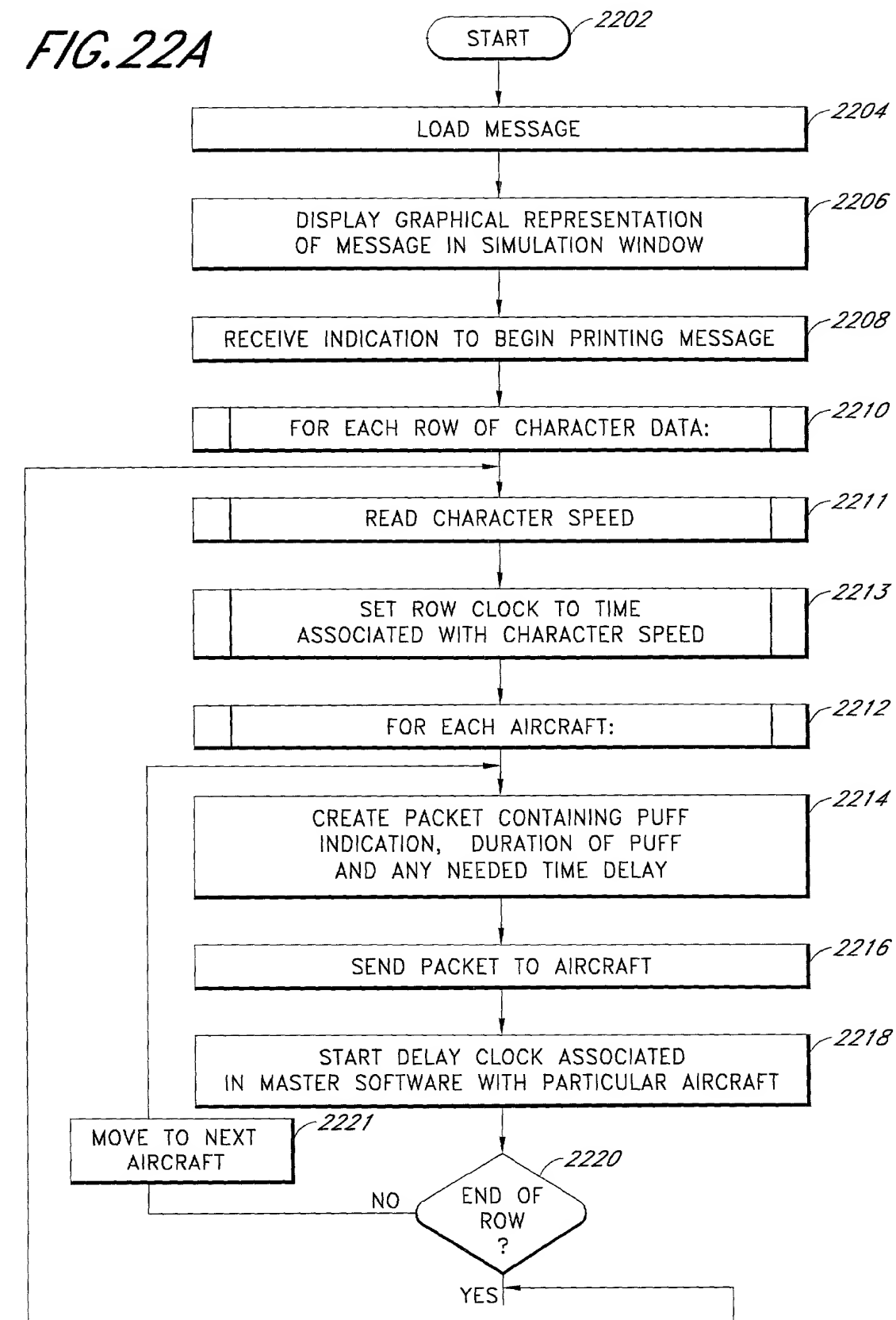


FIG. 22A



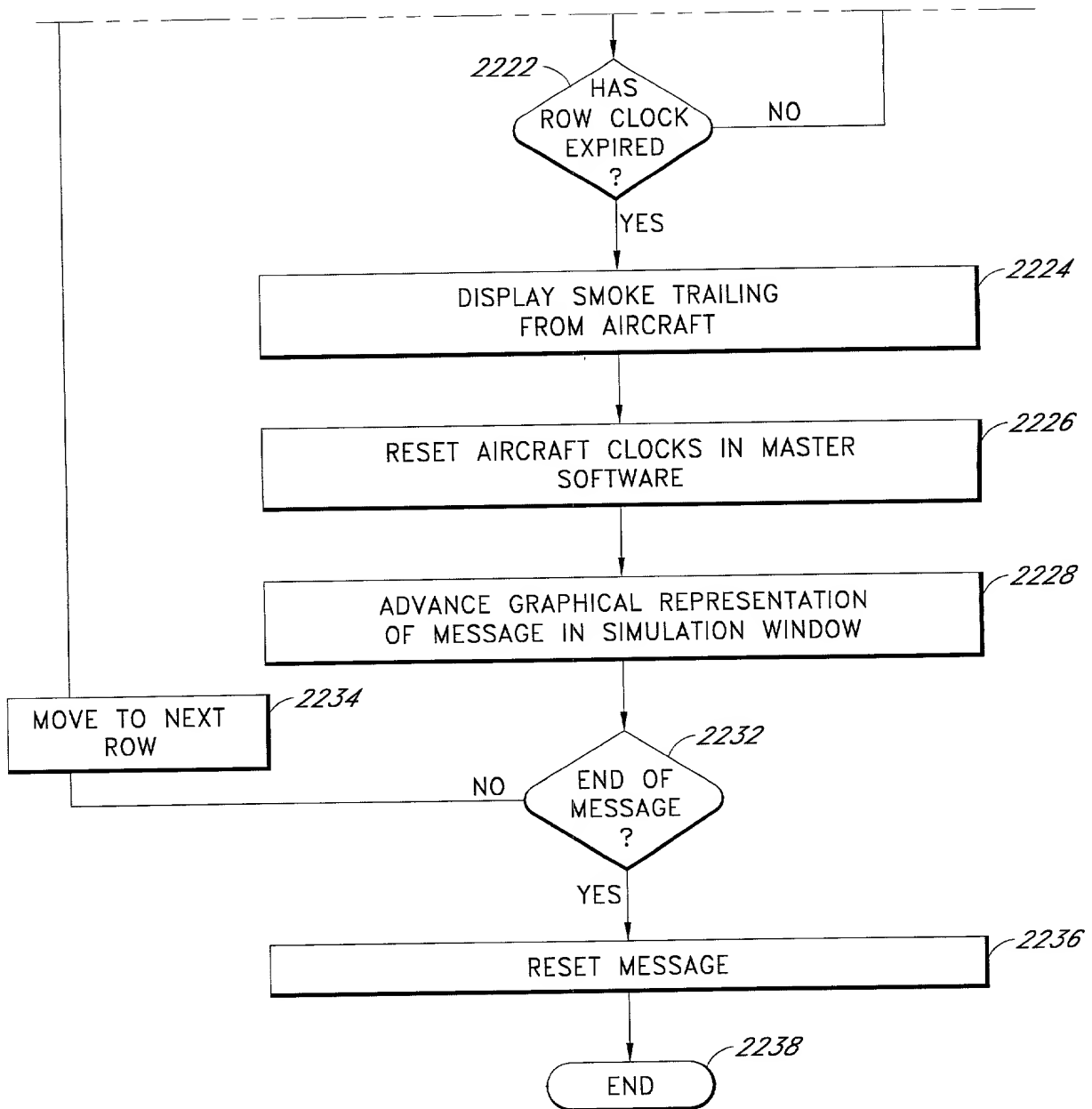
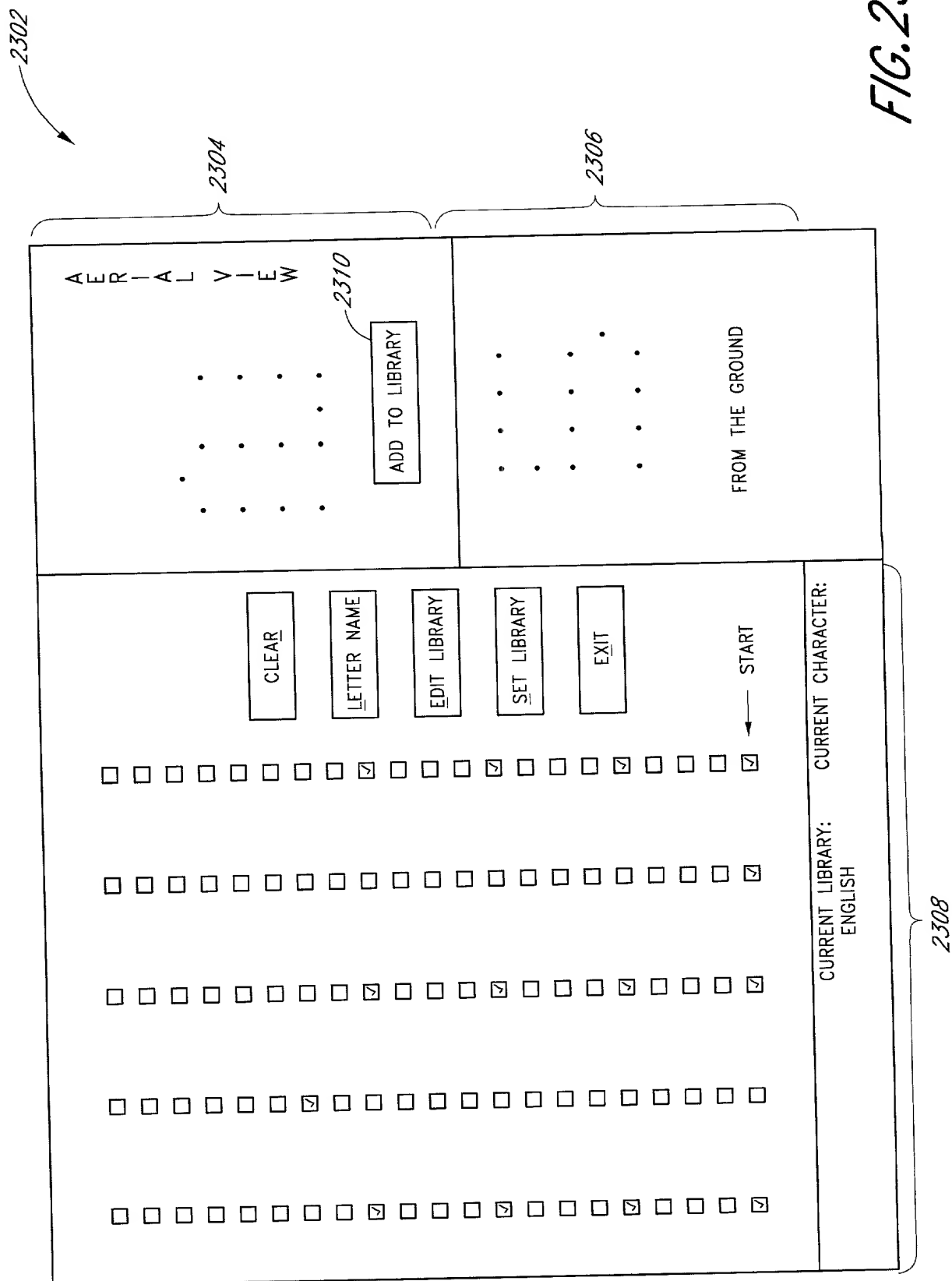
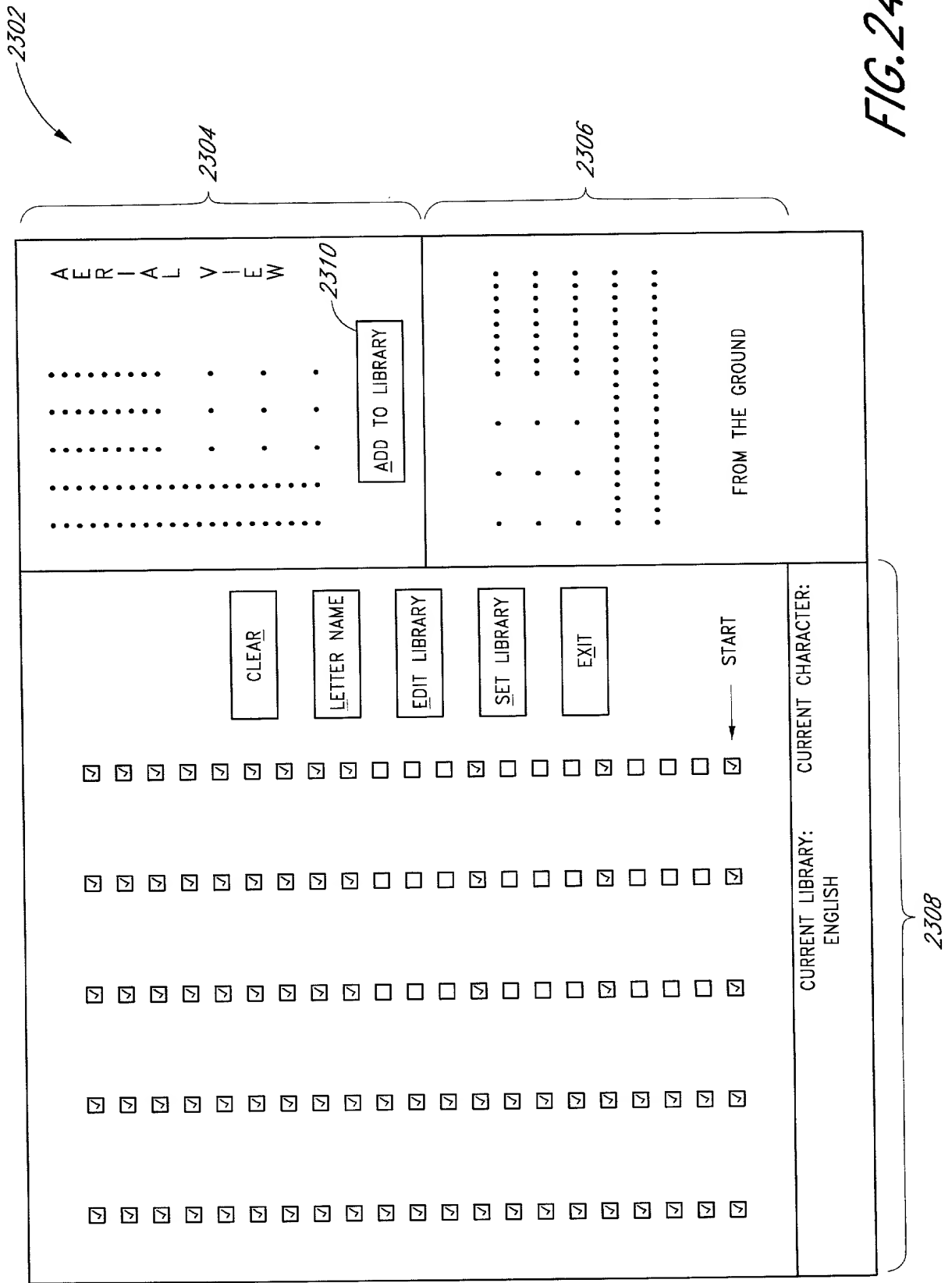


FIG. 22B





CURRENT AIRCRAFT PROFILE: DEFAULT.STP

5 — 4 — 1 — 2 — 3 — 6

| | | | | | |
|---------------------------|------------|------------|------------|------------|------------|
| ASSIGNED ADDRESSES: | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ |
| TOTAL YOUR CAPACITY: | 21 | 21 | 21 | 21 | 21 |
| VOLUME OF ONE PUFF: | 0.0149 | 0.0149 | 0.0149 | 0.0149 | 0.0149 |
| AIRCRAFT IMAGE: | f t-dico ▾ | f t-dico ▾ | f t-dico ▾ | f t-dico ▾ | f t-dico ▾ |
| WIDTH SYNC: | 0 | 0 | 0 | 0 | 0 |
| DEFAULT WIDTH: | 100 | 100 | 100 | 100 | 100 |
| SLAVE PUFF DELAY(mSEC): | 0 | 0 | 0 | 0 | 0 |
| MASTER SEND DELAY(mSEC): | 0 | 40 | 0 | 0 | 0 |
| MASTER RANGE DELAY(mSEC): | 8000 | 8000 | 8000 | 8000 | 8000 |
| SLAVE RANGE DELAY(mSEC): | 10000 | 10000 | 10000 | 10000 | 10000 |

AIRCRAFT PROFILES:

LOAD

DELETE

DEFAULT MESSAGE SPEED:

7

VOICE INFORMATION ☒

SWEEP-BACK ANGLE FROM FRONTLINE

0

LATERAL DISTANCE BETWEEN AIRCRAFT IN FEET

300

AIRSPEED OF FORMATION IN KNOTS

100

AIRSPEED OF FORMATION IN MPH

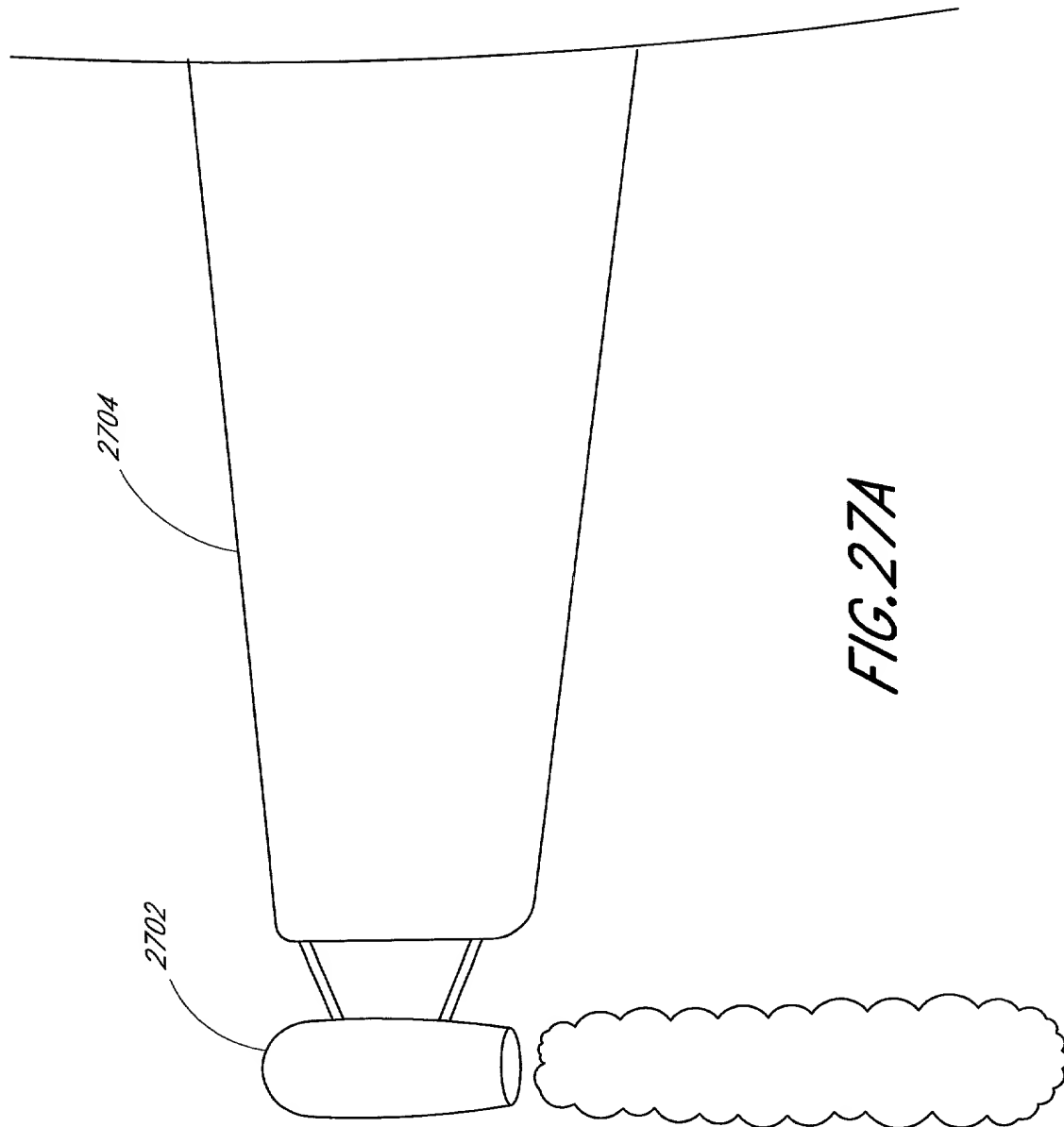
115

SAVE

DEFAULTS

CANCEL

FIG. 26



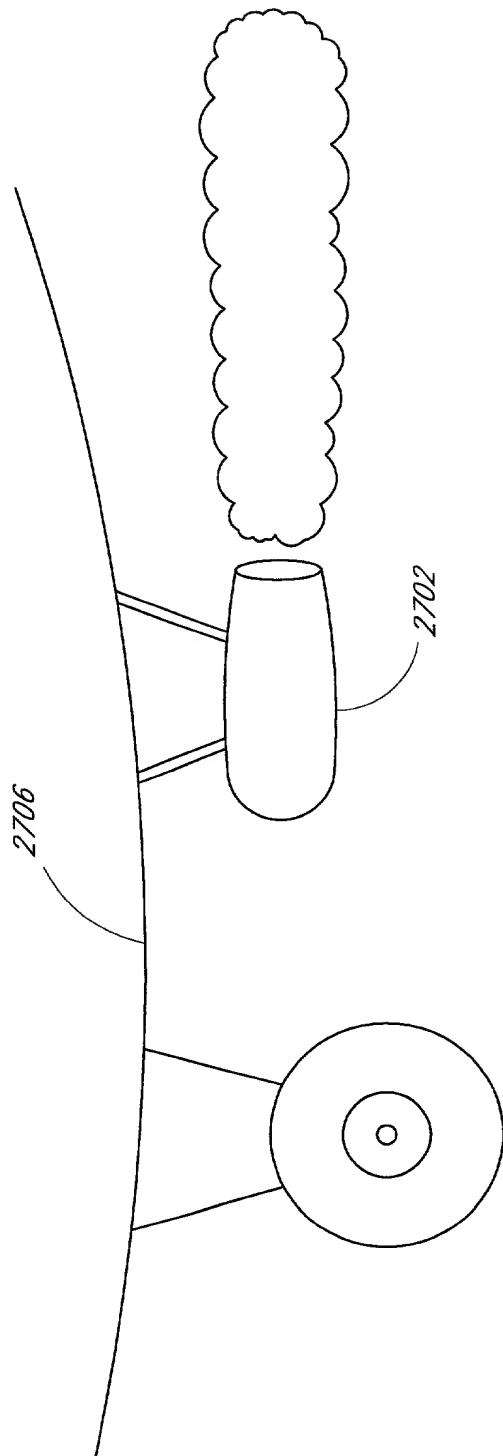
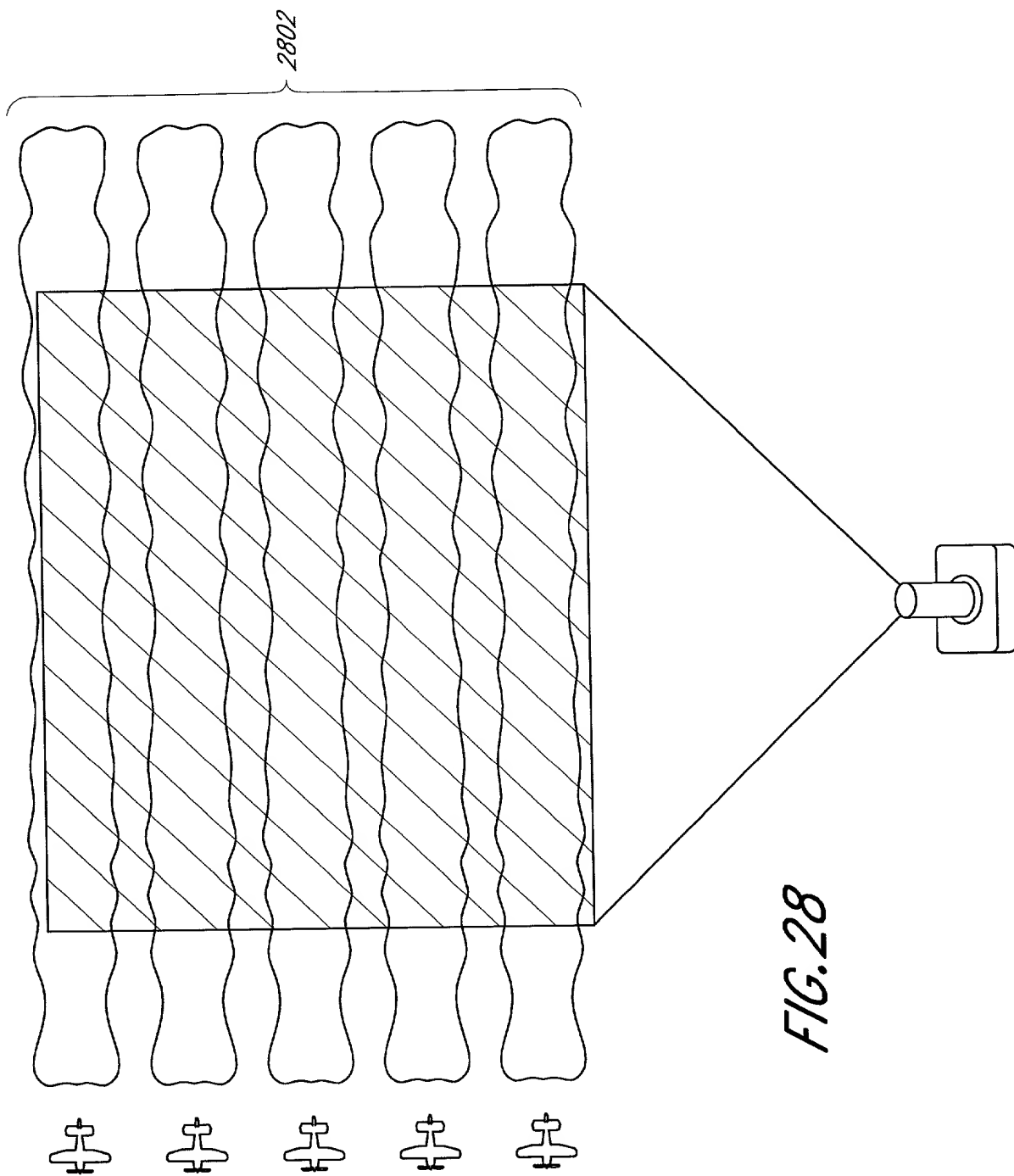


FIG. 27B



CURRENT AIRCRAFT PROFILE: DEFAULT.STP

5 — 4 — 1 — 2 — 3 — 6

| | | | | | |
|---------------------------|------------|------------|------------|------------|------------|
| ASSIGNED ADDRESSES: | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ | 1.1.1.5 ▾ |
| TOTAL YOUR CAPACITY: | 21 | 21 | 21 | 21 | 21 |
| VOLUME OF ONE PUFF: | 0.0149 | 0.0149 | 0.0149 | 0.0149 | 0.0149 |
| AIRCRAFT IMAGE: | f t-6ico ▾ | f t-6ico ▾ | f t-6ico ▾ | f t-6ico ▾ | f t-6ico ▾ |
| WIDTH SYNC: | 0 | 0 | 0 | 0 | 0 |
| DEFAULT WIDTH: | 100 | 100 | 100 | 100 | 100 |
| SLAVE PUFF DELAY(mSEC): | 0 | 0 | 0 | 0 | 0 |
| MASTER SEND DELAY(mSEC): | 72.896 | 36.448 | 40 | 36.448 | 72.896 |
| MASTER RANGE DELAY(mSEC): | 8000 | 8000 | 8000 | 8000 | 8000 |
| SLAVE RANGE DELAY(mSEC): | 10000 | 10000 | 10000 | 10000 | 10000 |

AIRCRAFT PROFILES:

LOAD

DELETE

DEFAULT MESSAGE SPEED:

7

▴ ▾

VOICE INFORMATION
☒

SWEEP-BACK ANGLE FROM FRONTLINE

15

▴ ▾

LATERAL DISTANCE BETWEEN AIRCRAFT IN FEET

200

▴ ▾

AIRSPEED OF FORMATION IN KNOTS

174

▴ ▾

AIRSPEED OF FORMATION IN MPH

200

▴ ▾

SAVE

DEFAULTS

CANCEL

FIG. 29